

ABSTRACT

An air transducer apparatus including a piezoelectric film having a first surface and a second surface opposite said first surface, a first electrode disposed on a first portion of said first surface of said film, the first electrode defining an electrode area for generating a signal in response to acoustic energy incident on said piezoelectric film, and at least one reinforcing area disposed on a second portion of said first surface of said film different from said first portion. The reinforcing area is preferably formed of metal or plastic, and assists in increasing the sensitivity of the apparatus by reinforcing the area adjacent the first electrode.

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